

GILA RIVER BASIN

09467120 SALT CREEK NEAR PERIDOT, AZ

LOCATION.--Lat 33°16'15", long 110°18'15", Graham County, Hydrologic Unit 15040005, at U.S. Highway 70, 4 mi above mouth, and 9.5 mi southeast of Peridot.

DRAINAGE AREA.--35.1 mi², of which 4.9 mi² is noncontributing.

Annual peak discharges

Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes	Water year	Date	Annual peak discharge (ft ³ /s)	Discharge codes
1964	08-13-64	604		1971	09-30-71	2,300	
1965	01-03-65	17	ES	1972	10-00-71	517	
1966	12-22-65	1,270		1973	10-19-72	3,200	
1967	08-06-67	1,650		1974	00-00-74	0	
1968	12-20-67	2,500		1975	07-20-75	880	
1969	00-00-69	100	LT	1979	12-18-78	¹ 2,200	HP
1970	09-06-70	40	ES				

¹Highest since 1975.

Magnitude and probability of instantaneous peak flow based on period of record 1964-75, 1979

Discharge, in ft ³ /s, for indicated recurrence interval in years, and exceedance probability, in percent					
2 50%	5 20%	10 10%	25† 4%	50† 2%	100† 1%
810	1,920	2,890	4,350	5,580	6,910
Weighted skew	(logs) =	-0.40			
Mean	(logs) =	2.88			
Standard dev.	(logs) =	0.48			

† Reliability of values in column is uncertain, and potential errors are large.

Basin characteristics

Main channel slope (ft/mi)	Stream length (mi)	Mean basin elevation (ft)	Forested area (percent)	Soil index	Mean annual precipitation (in)	Rainfall intensity, 24-hour	
						2-year (in)	50-year (in)
169	14.4	3,490	2.3	1.0	16.0	1.9	3.9

